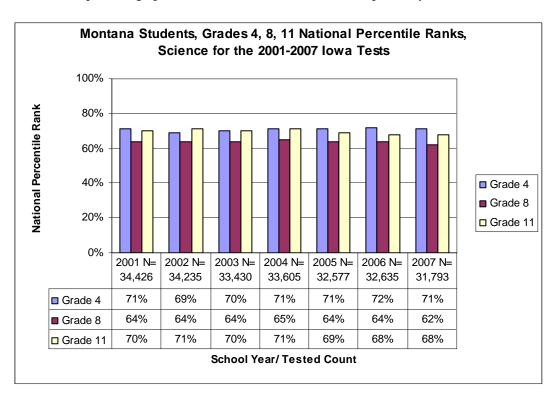
# Science, Grades 4, 8, and 11

# Chart 1: 4, 8, 11 SC

The chart below shows the National Percentile Ranks for grades 4, 8, and 11.

- In 2001, grade 4 scored an NPR of 71%, grade 8 an NPR of 64%, and grade 11 an NPR of 70%.
- In 2007, the NPR for grade 4 is the same as in 2001, 71%. The grade 8 and 11 NPR's in 2007 are two percentage points below 2001, 62% and 68% respectively.



**Table 1: 4, 8, 11 SC**Science National Percentile Rank for each disaggregation across Montana in 2001-2007

|                                |      |      | -    | Grade 4 | 4    |      |      | Grade 8 |      |      |      | Grade 11 |      |      |      |      |      |      |      |      |      |
|--------------------------------|------|------|------|---------|------|------|------|---------|------|------|------|----------|------|------|------|------|------|------|------|------|------|
| Groups                         | 2001 | 2002 | 2003 | 2004    | 2005 | 2006 | 2007 | 2001    | 2002 | 2003 | 2004 | 2005     | 2006 | 2007 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 |
| All Students                   | 71%  | 69%  | 70%  | 71%     | 71%  | 72%  | 71%  | 64%     | 64%  | 64%  | 65%  | 64%      | 64%  | 62%  | 70%  | 71%  | 70%  | 71%  | 69%  | 68%  | 68%  |
| Students Without Disabilities  | 72%  | 71%  | 72%  | 73%     | 73%  | 74%  | 73%  | 67%     | 68%  | 67%  | 68%  | 68%      | 68%  | 66%  | 72%  | 73%  | 73%  | 73%  | 72%  | 71%  | 71%  |
| Students With Disabilities     | 50%  | 46%  | 51%  | 55%     | 55%  | 53%  | 52%  | 36%     | 34%  | 35%  | 37%  | 34%      | 34%  | 32%  | 32%  | 34%  | 34%  | 34%  | 31%  | 31%  | 31%  |
| Female Students                | 70%  | 68%  | 70%  | 70%     | 70%  | 71%  | 71%  | 65%     | 66%  | 66%  | 66%  | 66%      | 66%  | 64%  | 72%  | 73%  | 73%  | 72%  | 71%  | 71%  | 70%  |
| Male Students                  | 72%  | 70%  | 70%  | 72%     | 72%  | 73%  | 72%  | 63%     | 63%  | 62%  | 64%  | 62%      | 63%  | 60%  | 67%  | 68%  | 68%  | 69%  | 67%  | 64%  | 67%  |
| Native American Students       | 50%  | 49%  | 48%  | 52%     | 51%  | 53%  | 50%  | 42%     | 41%  | 43%  | 43%  | 43%      | 42%  | 40%  | 51%  | 48%  | 46%  | 47%  | 43%  | 45%  | 44%  |
| White Students                 | 73%  | 72%  | 73%  | 74%     | 74%  | 75%  | 74%  | 67%     | 68%  | 67%  | 68%  | 67%      | 67%  | 65%  | 71%  | 72%  | 73%  | 73%  | 71%  | 70%  | 71%  |
| Students on Free/Reduced Lunch | 59%  | 58%  | 60%  | 61%     | 62%  | 63%  | 60%  | 53%     | 53%  | 52%  | 55%  | 53%      | 53%  | 50%  | 58%  | 58%  | 59%  | 58%  | 56%  | 54%  | 54%  |
| LEP*                           | NA   | 35%  | 33%  | 41%     | 35%  | 39%  | 36%  | NA      | 32%  | 29%  | 30%  | 30%      | 30%  | 28%  | NA   | 40%  | 41%  | 37%  | 35%  | 33%  | 32%  |

<sup>\*</sup> LEP 2001 data were incomplete.

**Table 2: 4, 8, 11 SC**Science: The table below shows the percentage of students for each disaggregation scoring in each performance category in grades 4, 8, and 11 for the 2001-2007 Iowa Tests.

|                  |      | Grade 4                  |                                   |               | Grade 8             |                          |                                   |               | Grade 11            |                          |                                   |               |                        |
|------------------|------|--------------------------|-----------------------------------|---------------|---------------------|--------------------------|-----------------------------------|---------------|---------------------|--------------------------|-----------------------------------|---------------|------------------------|
| Groups/Year      |      | Advanced<br>Stanines 8-9 | <b>Proficient</b><br>Stanines 5-7 | NP Stanines 4 | Novice Stanines 1-3 | Advanced<br>Stanines 8-9 | <b>Proficient</b><br>Stanines 5-7 | NP Stanines 4 | Novice Stanines 1-3 | Advanced<br>Stanines 8-9 | <b>Proficient</b><br>Stanines 5-7 | NP Stanines 4 | Novice Stanines<br>1-3 |
|                  | 2001 | 22%                      | 60%                               | 10%           | 8%                  | 18%                      | 60%                               | 12%           | 10%                 | 21%                      | 60%                               | 9%            | 10%                    |
|                  | 2002 | 21%                      | 60%                               | 10%           | 9%                  | 18%                      | 59%                               | 12%           | 11%                 | 23%                      | 58%                               | 9%            | 10%                    |
|                  | 2003 | 22%                      | 60%                               | 10%           | 8%                  | 17%                      | 60%                               | 12%           | 11%                 | 22%                      | 59%                               | 9%            | 10%                    |
| All Students     | 2004 | 23%                      | 61%                               | 10%           | 6%                  | 17%                      | 62%                               | 12%           | 9%                  | 23%                      | 58%                               | 9%            | 10%                    |
|                  | 2005 | 17%                      | 63%                               | 13%           | 7%                  | 17%                      | 60%                               | 12%           | 12%                 | 22%                      | 57%                               | 9%            | 12%                    |
|                  | 2006 | 18%                      | 63%                               | 12%           | 7%                  | 17%                      | 59%                               | 12%           | 12%                 | 21%                      | 56%                               | 10%           | 13%                    |
|                  | 2007 | 18%                      | 60%                               | 13%           | 9%                  | 16%                      | 59%                               | 12%           | 14%                 | 21%                      | 57%                               | 10%           | 12%                    |
|                  | 2001 | 24%                      | 61%                               | 9%            | 7%                  | 20%                      | 62%                               | 11%           | 7%                  | 22%                      | 62%                               | 8%            | 8%                     |
|                  | 2002 | 22%                      | 61%                               | 10%           | 7%                  | 19%                      | 62%                               | 11%           | 8%                  | 25%                      | 60%                               | 7%            | 8%                     |
|                  | 2003 | 23%                      | 61%                               | 9%            | 7%                  | 19%                      | 62%                               | 11%           | 8%                  | 24%                      | 61%                               | 8%            | 8%                     |
| Students Without | 2004 | 24%                      | 62%                               | 9%            | 5%                  | 19%                      | 65%                               | 10%           | 7%                  | 25%                      | 60%                               | 7%            | 8%                     |
| Disabilities     | 2005 | 18%                      | 64%                               | 12%           | 6%                  | 19%                      | 62%                               | 10%           | 8%                  | 24%                      | 59%                               | 8%            | 9%                     |
|                  | 2006 | 19%                      | 64%                               | 11%           | 6%                  | 19%                      | 63%                               | 10%           | 8%                  | 23%                      | 58%                               | 9%            | 10%                    |
|                  | 2007 | 19%                      | 62%                               | 12%           | 7%                  | 18%                      | 62%                               | 11%           | 10%                 | 23%                      | 59%                               | 9%            | 9%                     |
|                  | 2001 | 8%                       | 53%                               | 20%           | 19%                 | 3%                       | 37%                               | 24%           | 37%                 | 2%                       | 39%                               | 21%           | 38%                    |
|                  | 2002 | 6%                       | 51%                               | 20%           | 23%                 | 3%                       | 34%                               | 25%           | 38%                 | 2%                       | 39%                               | 23%           | 36%                    |
|                  | 2003 | 8%                       | 53%                               | 20%           | 19%                 | 2%                       | 39%                               | 23%           | 36%                 | 3%                       | 39%                               | 22%           | 36%                    |
| Students With    | 2004 | 9%                       | 56%                               | 19%           | 16%                 | 3%                       | 38%                               | 27%           | 32%                 | 3%                       | 39%                               | 22%           | 36%                    |
| Disabilities     | 2005 | 7%                       | 52%                               | 23%           | 17%                 | 3%                       | 37%                               | 23%           | 37%                 | 3%                       | 34%                               | 24%           | 39%                    |
|                  | 2006 | 5%                       | 51%                               | 23%           | 20%                 | 2%                       | 35%                               | 24%           | 40%                 | 2%                       | 34%                               | 20%           | 44%                    |
|                  | 2007 | 6%                       | 47%                               | 23%           | 24%                 | 2%                       | 32%                               | 23%           | 43%                 | 3%                       | 31%                               | 23%           | 43%                    |
|                  | 2001 | 21%                      | 61%                               | 10%           | 8%                  | 16%                      | 65%                               | 11%           | 8%                  | 21%                      | 64%                               | 8%            | 7%                     |
|                  | 2002 | 19%                      | 62%                               | 11%           | 8%                  | 17%                      | 63%                               | 11%           | 9%                  | 23%                      | 62%                               | 8%            | 7%                     |
|                  | 2003 | 21%                      | 62%                               | 10%           | 7%                  | 17%                      | 63%                               | 12%           | 8%                  | 22%                      | 63%                               | 8%            | 7%                     |
| Female Students  | 2004 | 20%                      | 63%                               | 10%           | 6%                  | 16%                      | 65%                               | 12%           | 7%                  | 22%                      | 62%                               | 8%            | 8%                     |
|                  | 2005 | 15%                      | 65%                               | 13%           | 7%                  | 17%                      | 63%                               | 11%           | 9%                  | 22%                      | 61%                               | 8%            | 9%                     |
|                  | 2006 | 15%                      | 65%                               | 12%           | 7%                  | 17%                      | 63%                               | 11%           | 9%                  | 22%                      | 59%                               | 8%            | 10%                    |
|                  | 2007 | 16%                      | 63%                               | 13%           | 8%                  | 15%                      | 64%                               | 11%           | 10%                 | 21%                      | 61%                               | 9%            | 10%                    |
|                  | 2001 | 24%                      | 59%                               | 9%            | 8%                  | 20%                      | 55%                               | 12%           | 12%                 | 21%                      | 57%                               | 10%           | 12%                    |
|                  | 2002 | 22%                      | 58%                               | 11%           | 9%                  | 18%                      | 56%                               | 13%           | 13%                 | 23%                      | 55%                               | 9%            | 13%                    |
|                  | 2003 | 22%                      | 59%                               | 10%           | 9%                  | 17%                      | 57%                               | 13%           | 13%                 | 22%                      | 55%                               | 10%           | 13%                    |
| Male Students    | 2004 | 25%                      | 59%                               | 10%           | 6%                  | 18%                      | 58%                               | 12%           | 12%                 | 24%                      | 54%                               | 9%            | 13%                    |
|                  | 2005 | 19%                      | 61%                               | 13%           | 7%                  | 18%                      | 56%                               | 12%           | 14%                 | 22%                      | 53%                               | 11%           | 14%                    |
|                  | 2006 | 20%                      | 61%                               | 12%           | 7%                  | 18%                      | 55%                               | 12%           | 15%                 | 20%                      | 52%                               | 11%           | 17%                    |
|                  | 2007 | 19%                      | 58%                               | 13%           | 10%                 | 17%                      | 54%                               | 13%           | 17%                 | 22%                      | 53%                               | 11%           | 15%                    |

|                                    |      |                          | Grad                              | e 4           |                     |                          | Grad                           | le 8          |                     |                          | Grad                              | e 11          |                        |
|------------------------------------|------|--------------------------|-----------------------------------|---------------|---------------------|--------------------------|--------------------------------|---------------|---------------------|--------------------------|-----------------------------------|---------------|------------------------|
| Groups/Year                        |      | Advanced<br>Stanines 8-9 | <b>Proficient</b><br>Stanines 5-7 | NP Stanines 4 | Novice Stanines 1-3 | Advanced<br>Stanines 8-9 | <b>Proficient</b> Stanines 5-7 | NP Stanines 4 | Novice Stanines 1-3 | Advanced<br>Stanines 8-9 | <b>Proficient</b><br>Stanines 5-7 | NP Stanines 4 | Novice Stanines<br>1-3 |
|                                    | 2001 | 8%                       | 52%                               | 20%           | 20%                 | 4%                       | 46%                            | 21%           | 29%                 | 7%                       | 55%                               | 18%           | 19%                    |
|                                    | 2002 | 6%                       | 55%                               | 20%           | 19%                 | 4%                       | 44%                            | 24%           | 28%                 | 7%                       | 57%                               | 13%           | 23%                    |
|                                    | 2003 | 6%                       | 52%                               | 21%           | 21%                 | 5%                       | 48%                            | 21%           | 25%                 | 6%                       | 54%                               | 17%           | 23%                    |
| American Indian<br>Students        | 2004 | 8%                       | 56%                               | 20%           | 16%                 | 4%                       | 51%                            | 21%           | 24%                 | 6%                       | 55%                               | 17%           | 22%                    |
| Students                           | 2005 | 4%                       | 54%                               | 24%           | 18%                 | 6%                       | 46%                            | 20%           | 27%                 | 4%                       | 52%                               | 17%           | 27%                    |
|                                    | 2006 | 7%                       | 50%                               | 26%           | 17%                 | 4%                       | 47%                            | 21%           | 27%                 | 5%                       | 49%                               | 18%           | 27%                    |
|                                    | 2007 | 5%                       | 50%                               | 24%           | 21%                 | 4%                       | 45%                            | 20%           | 31%                 | 7%                       | 50%                               | 17%           | 26%                    |
|                                    | 2001 | 20%                      | 60%                               | 18%           | 2%                  | 20%                      | 62%                            | 11%           | 8%                  | 22%                      | 61%                               | 8%            | 9%                     |
|                                    | 2002 | 23%                      | 62%                               | 8%            | 7%                  | 20%                      | 62%                            | 10%           | 8%                  | 25%                      | 59%                               | 7%            | 9%                     |
|                                    | 2003 | 24%                      | 61%                               | 9%            | 6%                  | 19%                      | 62%                            | 11%           | 8%                  | 24%                      | 59%                               | 8%            | 8%                     |
| White Students                     | 2004 | 25%                      | 62%                               | 9%            | 5%                  | 19%                      | 63%                            | 11%           | 7%                  | 25%                      | 58%                               | 8%            | 9%                     |
|                                    | 2005 | 19%                      | 64%                               | 11%           | 5%                  | 19%                      | 62%                            | 10%           | 9%                  | 24%                      | 58%                               | 8%            | 10%                    |
|                                    | 2006 | 19%                      | 65%                               | 10%           | 6%                  | 19%                      | 61%                            | 10%           | 9%                  | 23%                      | 57%                               | 9%            | 12%                    |
|                                    | 2007 | 20%                      | 62%                               | 11%           | 7%                  | 18%                      | 60%                            | 11%           | 11%                 | 23%                      | 57%                               | 9%            | 11%                    |
|                                    | 2001 | 14%                      | 52%                               | 18%           | 16%                 | 8%                       | 55%                            | 18%           | 18%                 | 11%                      | 59%                               | 14%           | 16%                    |
|                                    | 2002 | 12%                      | 60%                               | 14%           | 14%                 | 8%                       | 55%                            | 18%           | 19%                 | 13%                      | 58%                               | 12%           | 17%                    |
|                                    | 2003 | 12%                      | 61%                               | 15%           | 13%                 | 8%                       | 55%                            | 18%           | 19%                 | 12%                      | 60%                               | 12%           | 16%                    |
| Students on Free/<br>Reduced Lunch | 2004 | 13%                      | 62%                               | 15%           | 10%                 | 9%                       | 58%                            | 16%           | 16%                 | 13%                      | 57%                               | 13%           | 17%                    |
| Reduced Editer                     | 2005 | 10%                      | 60%                               | 19%           | 11%                 | 9%                       | 56%                            | 17%           | 19%                 | 12%                      | 55%                               | 14%           | 19%                    |
|                                    | 2006 | 10%                      | 60%                               | 18%           | 12%                 | 9%                       | 54%                            | 17%           | 20%                 | 11%                      | 54%                               | 13%           | 21%                    |
|                                    | 2007 | 9%                       | 57%                               | 19%           | 15%                 | 8%                       | 53%                            | 18%           | 22%                 | 11%                      | 55%                               | 14%           | 20%                    |
|                                    | 2001 | Na                       | Na                                | Na            | Na                  | Na                       | Na                             | Na            | Na                  | Na                       | Na                                | Na            | Na                     |
|                                    | 2002 | 1%                       | 46%                               | 24%           | 29%                 | 1%                       | 33%                            | 30%           | 36%                 | 4%                       | 49%                               | 16%           | 31%                    |
|                                    | 2003 | 2%                       | 38%                               | 27%           | 33%                 | 0%                       | 32%                            | 24%           | 44%                 | 2%                       | 52%                               | 18%           | 27%                    |
| LEP*                               | 2004 | 3%                       | 49%                               | 26%           | 22%                 | 1%                       | 31%                            | 26%           | 42%                 | 3%                       | 46%                               | 22%           | 29%                    |
|                                    | 2005 | 1%                       | 39%                               | 29%           | 31%                 | 1%                       | 31%                            | 23%           | 45%                 | 3%                       | 39%                               | 23%           | 35%                    |
|                                    | 2006 | 2%                       | 39%                               | 34%           | 25%                 | 1%                       | 31%                            | 28%           | 40%                 | 1%                       | 36%                               | 25%           | 37%                    |
|                                    | 2007 | 1%                       | 41%                               | 29%           | 29%                 | 0%                       | 29%                            | 24%           | 47%                 | 2%                       | 39%                               | 21%           | 39%                    |

<sup>\*</sup>LEP 2001 data were incomplete.

Table 3: 4, 8, 11 SC

Customized Skills Reports: Montana Science Standards tested in the 2001-2007 Iowa Tests

|          |                 | idard | Design, conduct,<br>evaluate and<br>communicate<br>investigations | Understand<br>physical and<br>chemical<br>systems | Understand the structures and functions of living things | Understand<br>Earth's<br>systems and<br>interactions | Understand the impact of science and technology on society |
|----------|-----------------|-------|-------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------|
|          | # of<br>Items   |       | 19                                                                | 5*                                                | 10                                                       | 8                                                    | 2*                                                         |
|          |                 | 01    | 60%                                                               | 69%                                               | 67%                                                      | 67%                                                  | 58%                                                        |
| 4        | ct              | 02    | 60%                                                               | 68%                                               | 66%                                                      | 66%                                                  | 58%                                                        |
| Grade 4  | Percent Correct | 03    | 61%                                                               | 67%                                               | 66%                                                      | 68%                                                  | 57%                                                        |
| 9        | t C             | 04    | 62%                                                               | 67%                                               | 67%                                                      | 69%                                                  | 58%                                                        |
|          | rcen            | 05    | 62%                                                               | 68%                                               | 67%                                                      | 68%                                                  | 57%                                                        |
|          | Pe              | 06    | 63%                                                               | 68%                                               | 67%                                                      | 69%                                                  | 56%                                                        |
|          |                 | 07    | 62%                                                               | 67%                                               | 66%                                                      | 68%                                                  | 55%                                                        |
|          | # of<br>Items   |       | 28                                                                | 14                                                | 7                                                        | 8*                                                   | 3*                                                         |
|          |                 | 01    | 68%                                                               | 65%                                               | 59%                                                      | 59%                                                  | 55%                                                        |
| 8        | ct              | 02    | 67%                                                               | 65%                                               | 58%                                                      | 59%                                                  | 55%                                                        |
| Grade 8  | Percent Correct | 03    | 67%                                                               | 65%                                               | 58%                                                      | 58%                                                  | 54%                                                        |
| G        | it<br>C         | 04    | 68%                                                               | 65%                                               | 59%                                                      | 58%                                                  | 54%                                                        |
|          | rcen            | 05    | 68%                                                               | 64%                                               | 58%                                                      | 58%                                                  | 54%                                                        |
|          | Pe              | 06    | 68%                                                               | 64%                                               | 58%                                                      | 58%                                                  | 55%                                                        |
|          |                 | 07    | 67%                                                               | 63%                                               | 57%                                                      | 56%                                                  | 53%                                                        |
|          | # of<br>Items   |       | 45                                                                | 9*                                                | 5*                                                       | 1*                                                   | 1*                                                         |
|          |                 | 01    | 56%                                                               | 53%                                               | 59%                                                      | 64%                                                  | 61%                                                        |
| II i     | ect             | 02    | 57%                                                               | 53%                                               | 59%                                                      | 63%                                                  | 60%                                                        |
| Grade 11 | orre            | 03    | 56%                                                               | 53%                                               | 59%                                                      | 64%                                                  | 61%                                                        |
| 9        | Percent Correct | 04    | 57%                                                               | 52%                                               | 60%                                                      | 64%                                                  | 60%                                                        |
|          | erce            | 05    | 55%                                                               | 53%                                               | 58%                                                      | 62%                                                  | 60%                                                        |
|          | P               | 06    | 55%                                                               | 52%                                               | 58%                                                      | 62%                                                  | 60%                                                        |
|          |                 | 07    | 55%                                                               | 52%                                               | 57%                                                      | 62%                                                  | 59%                                                        |

<sup>\*</sup> The Iowa Tests measure the knowledge dimension of the Montana Standard, but do not adequately measure the application aspect.

**Tables 4a and 4b: 11 SC**ACT Science Reasoning results for the high school graduating classes of 2001-2007

|      | Average Score All<br>National | Average Score<br>All Montana | Average Score<br>White Montana | Average Score<br>American Indian |
|------|-------------------------------|------------------------------|--------------------------------|----------------------------------|
|      |                               |                              |                                | Montana                          |
| 2001 | 21.0                          | 21.9                         | 22.1                           | 18.4                             |
| 2002 | 20.8                          | 21.8                         | 21.9                           | 18.25                            |
| 2003 | 20.8                          | 21.7                         | 22.0                           | 18.5                             |
| 2004 | 20.9                          | 21.7                         | 22.0                           | 18.1                             |
| 2005 | 20.9                          | 21.8                         | 22.1                           | 17.9                             |
| 2006 | 20.9                          | 21.8                         | 22.0                           | 18.1                             |
| 2007 | 21.0                          | 21.8                         | 22.0                           | 18.3                             |

Number of Montana graduating classes of 2001-2007 participating in the ACT

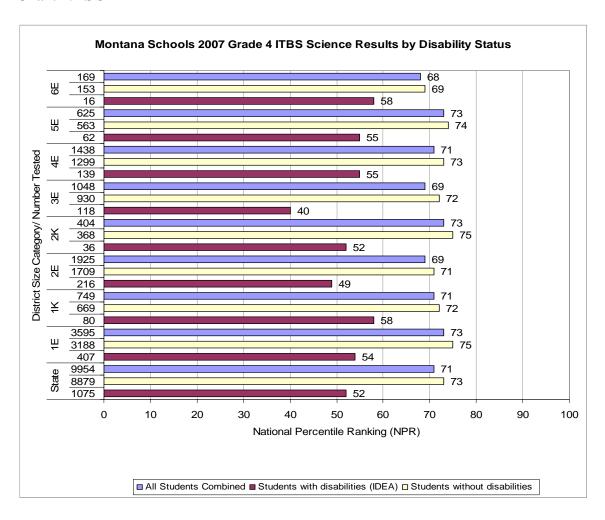
|      | <b>Total Montana Students</b> | White Montana | American Indian Montana |
|------|-------------------------------|---------------|-------------------------|
| 2001 | 6,641                         | 5,699         | 319                     |
| 2002 | 6,368                         | 5,460         | 300                     |
| 2003 | 6,470                         | 5,514         | 282                     |
| 2004 | 6,255                         | 5,259         | 300                     |
| 2005 | 6,178                         | 5,154         | 312                     |
| 2006 | 6,033                         | 4,896         | 269                     |
| 2007 | 6,066                         | 4,812         | 286                     |

Table 5: 4, 8, 11 SC

NAEP data from 1996, 2000 and 2005 are included to add the picture of student achievement in Science. Although NAEP data gives us another perspective to the picture of Montana students tested in these years, it is not a statewide assessment, but rather a representative random sampling of the students in 4<sup>th</sup> and 8<sup>th</sup> grades in the years identified.

|            |                 | Average Score     |                                |                |                  |                               |  |  |  |  |  |  |  |
|------------|-----------------|-------------------|--------------------------------|----------------|------------------|-------------------------------|--|--|--|--|--|--|--|
| Grade:Year | All<br>National | White<br>National | American<br>Indian<br>National | All<br>Montana | White<br>Montana | American<br>Indian<br>Montana |  |  |  |  |  |  |  |
| 4: 2000    | 150             | 160               | 140                            | 160            | 164              | 145                           |  |  |  |  |  |  |  |
| 4: 2005    | 149             | 161               | 139                            | 160            | 163              | 139                           |  |  |  |  |  |  |  |
| 8: 1996    | 150             | 159               | 148                            | 162            | 166              | 139                           |  |  |  |  |  |  |  |
| 8: 2000    | 151             | 162               | 134                            | 162            | 168              | 143                           |  |  |  |  |  |  |  |
| 8: 2005    | 147             | 159               | 134                            | 162            | 165              | 135                           |  |  |  |  |  |  |  |

Chart 4.1 SC



#### 1. All students

• The Science NPR for all Montana grade 4 students is 71%, one percentage point below 2006.

### 2. Students without disabilities

Statewide, the NPR for students without disabilities is 73%, one percentage point below 2006. That number is stable across the state with all district size categories plus or minus 1-4 percentage points.

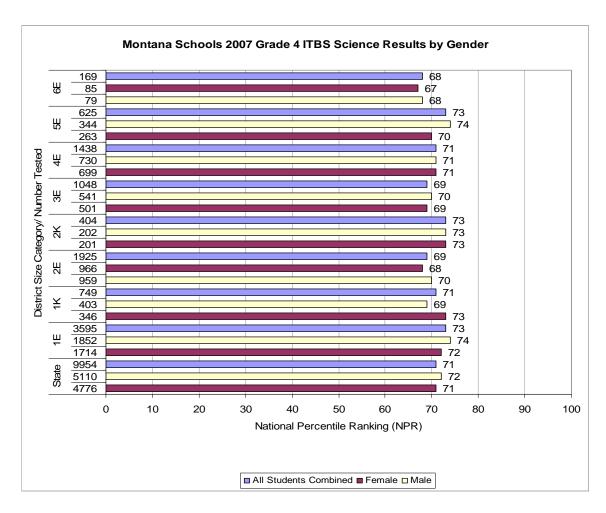
# 3. Students with disabilities

• Statewide, the NPR for students with disabilities is 52%, one percentage point below 2006. That number is relatively stable across the state with most district size categories plus or minus 2-6 percentage points except 3E, where students averaged 40%.

## 4. Comparisons

 Statewide, Montana students without disabilities scored 21 percentage points above students with disabilities, 73% and 52% respectively.

### Chart 4.2 SC



# 1. All students

• The Science NPR for all Montana grade 4 students is 71%, one percentage point below 2006.

#### 2. Female students

• Statewide, the NPR for female students is the same as in 2006, 71%. That number is stable across the state with all district size categories plus or minus 1-4 percentage points.

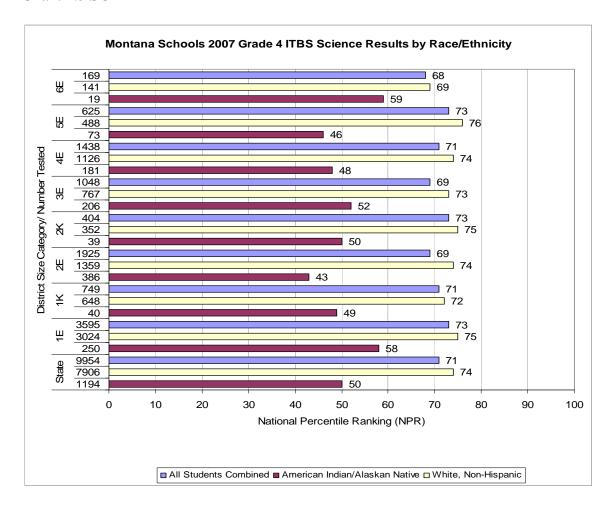
## 3. Male students

• Statewide, the NPR for male students is 72%, one percentage point below 2006. That number is stable across the state with all district size categories plus or minus 1-4 percentage points.

# 4. Comparisons

• Statewide, male students scored one percentage point higher than female students, 72% and 71% respectively.

Chart 4.3 SC



### 1. All students

■ The Science NPR for all Montana grade 4 students is 71%, one percentage point below 2006.

#### 2. American Indian students

Statewide, the NPR for American Indian students is 50%, three percentage points below 2006. That number is somewhat stable across the state with most district size categories plus or minus 1-4 percentage points except 1E, where students averaged 58%, 2E where students averaged 43%, and 6E where the number of students tested is too small for comparisons.

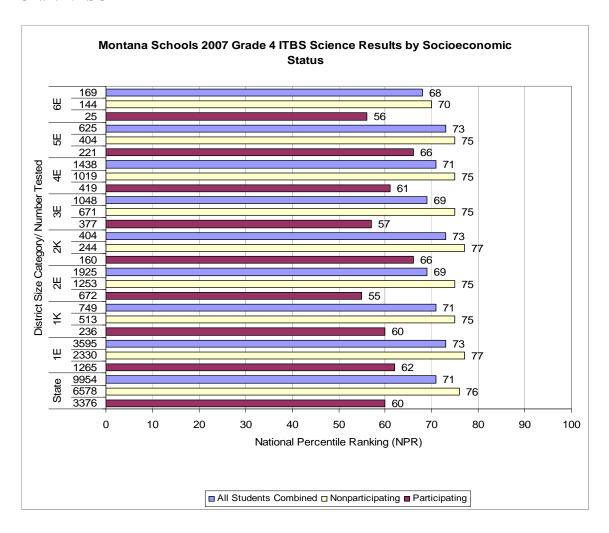
### 3. White students

Statewide, the NPR for White students is 74%, one percentage point below 2006. That number is stable across the state with all district size categories plus or minus 1-5 percentage points.

## 4. Comparisons

• Statewide, White students scored 24 percentage points above American Indian students, 74% and 50% respectively. That number is relatively stable.

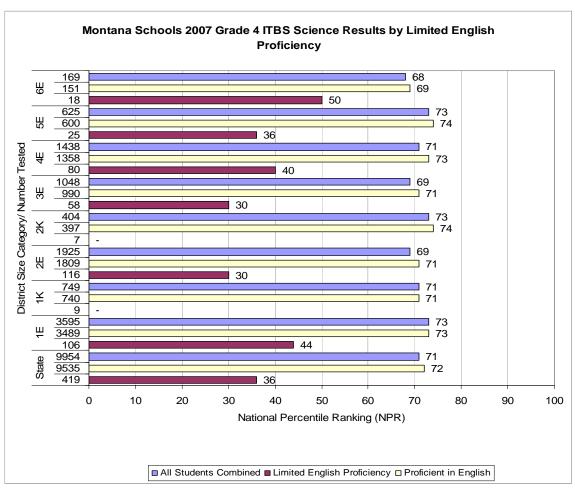
#### Chart 4.4 SC



#### 1. All students

- The Science NPR for all Montana grade 4 students is 71%, one percentage point below 2006
- 2. Students participating in free/reduced lunch programs
  - Statewide, the NPR for students participating in free/reduced lunch programs is 60%, three percentage points below 2006. That number is stable with all district size categories plus or minus 1-6 points.
- 3. Students not participating in free/reduced lunch programs
  - Statewide, the NPR for students not participating in free/reduced lunch programs is 76%, one percentage point below 2006. That number is stable with all district size categories plus or minus 1-6 points.
- 4. Comparisons
  - Statewide, students not participating in free/reduced lunch programs scored 16 percentage points above participating students, 76% and 60% respectively.

#### Chart 4.5 SC



<sup>\*</sup> To protect privacy, no results will be reported where the count of test takers is less than 10.

#### 1. All students

- The Science NPR for all Montana grade 4 students is 71%, one percentage point below 2006.
- 2. Students with limited English proficiency (LEP)
  - Statewide, the NPR for LEP students is 36%, three percentage points below 2006. The NPR scores vary among school size categories because of the wide variation in the number of LEP students tested.

# 3. Comparisons

• Statewide, all Montana students scored 35 percentage points higher than limited English proficient students, 71% and 36% respectively. That number varies among school size categories because of the wide variation in the number of LEP students tested.